

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :  
Yasuhiro MAENISHI et al. : **Mail Stop: PCT**  
Serial No. NEW : Attorney Docket No. 2006\_0216A  
Filed February 21, 2006 :

METHOD FOR OPTIMIZATION OF AN  
ORDER FOR COMPONENT MOUNTING  
AND APPARATUS FOR OPTIMIZATION OF  
AN ORDER FOR COMPONENT MOUNTING  
[Corresponding to PCT/JP2004/012672  
Filed August 26, 2004]

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

- ☐ each U.S. Patent and U.S. Patent application publication;
- ☐ each reference previously cited in the international application  
PCT/\_\_\_\_\_; and/or
- ☐ each reference previously cited in prior parent application Serial No.  
\_\_\_\_\_.

1a. [X] This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, **or**

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

**and thus no certification and/or fee is required.**

1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

**the certification of paragraph 2 below is provided, and**

**the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified

a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or

b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification

after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.
4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☐ a full or partial English language translation submitted herewith,
  - b. ☒ the International Search Report (in the English language) submitted herewith,
  - c. ☒ the concise explanation contained in the specification of the present application at page 1,
  - d. ☒ the concise explanation set forth in the attached English language abstract,
  - e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
5. ☐ A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Yasuhiro MAENISHI et al.

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February 21, 2006

Sheet 1 of 1

## INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: February 21, 2006

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NEW

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APPLICANT  
Yasuhiro MAENISHI et al.FILING DATE  
February 21, 2006

GROUP

## U.S. PATENT DOCUMENTS

| *EXAMINER<br>INITIAL |    | DOCUMENT<br>NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF<br>APPROPRIATE |
|----------------------|----|--------------------|------|------|-------|----------|-------------------------------|
|                      | AA |                    |      |      |       |          |                               |
|                      | AB |                    |      |      |       |          |                               |
|                      | AC |                    |      |      |       |          |                               |
|                      | AD |                    |      |      |       |          |                               |
|                      | AE |                    |      |      |       |          |                               |

## FOREIGN PATENT DOCUMENTS

|  |    | DOCUMENT<br>NUMBER | DATE   | COUNTRY | CLASS | SUBCLASS | TRANSLATION<br>YES NO |
|--|----|--------------------|--------|---------|-------|----------|-----------------------|
|  | AF | 1 227 711          | 7/2002 | EP      |       |          |                       |
|  | AG | 02/13590           | 2/2002 | WO      |       |          |                       |
|  | AH | 10-209697          | 8/1998 | JP      |       |          | Abstract              |
|  | AI | 9-018199           | 1/1997 | JP      |       |          | Abstract              |
|  | AJ |                    |        |         |       |          |                       |

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

|  |    |   |
|--|----|---|
|  | AK | Wonsik LEE et al., "A Genetic Optimization Approach to Operation of a Multi-head Surface Mounting Machine," IEICE TRANSACTIONS ON FUNDAMENTALS OF ELECTRONICS, COMMUNICATIONS AND COMPUTER SCIENCES INST. ELECTRON. INF. & COMMUN., ENG, Japan, vol. E83A, no. 9, September 2000, pp. 1748-1756 |
|  | AL | Masri AYOB et al., "Optimisation for Surface Mount Placement Machine," INDUSTRIAL TECHNOLOGY, 2002., IEEE ICIT '02. 2002 IEEE INTERNATIONAL CONFERENCE ON December 11-14, 2002, Piscataway, NJ, USA, vol. 1, December 11, 2002 (12/11/2002) pp. 498-503   |
|  | AN | Patent Abstracts of Japan, vol. 017, no. 449, (M-1465), August 18, 1993 (8/18/1993), & JP 05-104364 A (Sanyo Electric Co., Ltd.), April 27, 1993 (4/27/1993), Abstract  |
|  | AM |   |

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include cop. this form with next communication to applicant.